Claims:

1. A method of making a colored contact lens, the method comprising printing at least one layer of a colorant onto a contact lens using a printing process selected from the group consisting of ink jet printing, electrophotographic printing, thermal transfer printing, and photographic development printing.

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- 2. The method of claim 1 wherein the printing process comprises ink jet printing.
- 3. The method of claim 2 where in the colorant is an ink comprising at least one pigment.
- 4. The method of claim 2 wherein the colorant is an ink comprising at least one dye.
- 5. The method of claim 2 wherein the colorant is an organic-based ink.
- 6. The method of claim 2 wherein the colorant is an ink having a viscosity of from about 1 to about 50 centipoise.
- 7. The method of claim 2 wherein the ink has a viscosity of from about 2 to about 30 certificate.
- 8. The method of claim 2 comprising dispersing a first colorant into the contact lens before printing.
- 9. The method of claim 2 further comprising coating the lens with a binding solution.
- 10. The method of claim 9 wherein the coating is done during printing.
- 11. The method of claim 9 wherein the coating is done after printing.
- 12. The method of claim 9 wherein the binding solution comprises at least one monomer.

- 13. The method of claim 9 wherein the binding solution comprises at least one hydrophilic monomer and at least one hydrophobic monomer.
- 14. The method of claim 13 wherein the binding solution comprises 2-hydroxyethyl methacrylate and 2-ethoxyethyl methacrylate.
- 15. The method of claim 12 wherein the binding solution further comprises an adhesion promoter.
- 16. A colored contact lens produced by the process of claim 1.
- 17. The method of claim 1 wherein the printing process comprises electrophotographic printing
- 18. The method of claim 17 wherein a electrophotographic printer prints the colorant in the form of toner directly onto the contact lens using a photosensitive sphere.
- 19. The method of claim 18 wherein the sphere rolls across the contact lens to transfer toner to the lens.
- 20. The method of claim 18 wherein the lens is placed on the sphere and toner is transferred to the lens using a toner transfer mechanism.
- 21. The method of claim 20 wherein the toner transfer mechanism is selected from the group consisting of a roller, a mold, and a ball.
- 22. The method of claim 17 wherein a electrophotographic printer prints the colorant in the form of toner directly onto the contact lens using a photosensitive hemisphere.
- 23. The method of claim 18 wherein the hemisphere contacts the contact lens to transfer toner to the lens.
- 24. The method of claim 18 wherein the lens is placed on the hemisphere and toner is transferred to the lens using a toner transfer mechanism.

خ <i>نر</i> ا م	25.	The method of claim 20 wherein the toner transfer mechanism comprises a ball.
3	26.	The method of claim 1 wherein the printing process comprises thermal transfer printing.
	27.	The method of claim 26 using a multiple-color complement system
	28.	The method of claim 27 wherein each component color of the multiple-color
4		complement system is associated with a ribbon for transferring the
ay		component color to the contact lens or to a film on a mold for the contact lens.
	29.	The method of claim 28 wherein each ribbon is flat.
<u>41</u> 41	30.	The method of claim 28 wherein each ribbon is curved.
	31.	The method of claim 1 wherein the printing process comprises photographic development printing.
	32.	The method of claim 31 wherein a photographic development system is used, the system comprising:
		a) a film composed of a plurality of light sensitive layers;
		 b) a computer-controlled source to expose each of the plurality of light sensitive layers; and

33. A method of making a colored contact lens, the method comprising:

lens or onto a film in a mold for the contact lens.

(a) printing a first layer of a colorant in a first pattern onto a contact lens using a printing process selected from the group

c) a chemical processing system to develop each of the exposed light

sensitive layers, thereby forming a plurality of colors onto the contact

consisting of ink jet printing, electrophotographic printing, thermal transfer printing, and photographic development printing;

- (b) printing at least one second layer of a colorant in a second pattern onto a contact lens using a printing process selected from the group consisting of ink jet printing, electrophotographic printing, thermal transfer printing, and photographic development printing; and
- (c) coating the colored contact lens with a binding solution comprising a monomer.
- 34. A colored contact lens produced by the process of claim 33.
- 35. The method of claim 33 wherein step (c) is performed simultaneously with steps (a) and (b).
- 36. The method of claim 33 wherein the second pattern overlaps the first pattern, at least in part.
- 37. The method of claim 33 wherein the second pattern overlaps the first pattern such that at least 50% if the first pattern is covered.
- 38. The method of claim 33 wherein the coating is applied to the contact lens only in regions that are not in an optical zone.
- 39. An improved method of making colored contact lenses, the improvement comprising printing at least one layer of a colorant onto a contact lens using a printing process selected from the group consisting of ink jet printing, electrophotographic printing, thermal transfer printing, and photographic development printing.

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- 40. The improved method of claim 39 wherein the printing step comprises printing onto a film in a mold wherein the film becomes integral with the contact lens when the contact lens is formed in the mold.
- 41. The improved method of claim 39 wherein the printing step comprises printing directly onto the contact lens.
- 42. The improved method of claim 39 wherein the printing step comprises printing onto a pad such that the pad prints directly onto the contact lens.
- 43. A contact lens comprising an image thereon, wherein the image is selected from the group consisting of a cosmetic pattern, an inversion mark, a SKU code, and an identity code; and wherein the image is produced using a digital printing process selected from the group consisting of ink jet printing, electrophotographic printing, thermal transfer printing, and photographic development printing.
- 44. A contact lens of claim 43, wherein the image is a cosmetic pattern.
- 45. A contact lens of claim 44, wherein said cosmetic pattern is an iris pattern.
- 46. A contact lens of claim 43, wherein the image is an inversion mark.
- 47. A contact lens of claim 43, wherein the image is an SKU code.
- 48. A contact lens of claim 47, wherein the contact lens further comprises an iris pattern and wherein the SKU code is blended with the iris pattern.
- 49. A contact lens of claim 43, wherein the image is an identity code.



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